

EXPRESS MAIL LABEL NO. EV314046155US

DATED: 17 SEPTEMBER 2003

ATTORNEY DOCKET: Nwav 1002-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Inventor(s):
Kuo-Ching Liu

Application No. _____

Filed: 17 September 2003 (herewith)

Title: **Method and Apparatus for Cutting
Devices from Substrates**

Group Art Unit: not assigned
Examiner: not assigned

CUSTOMER NO. 22470

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO-SB/08. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98.

If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in 1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. 1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP 609A(3).

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed within three months of the filing date of an application other than a continued prosecution application under 37 C.F.R. 1.53(d).

Fee Authorization. The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (Nwav 1002-2). A duplicate copy of this authorization is enclosed.

Respectfully submitted,

HAYNES BEFFEL & WOLFELD LLP

Date: 16 Sept 03

By:


Mark A. Haynes, Reg. No. 30,846

HAYNES BEFFEL & WOLFELD LLP
P.O. Box 366
Half Moon Bay, CA 94019
Telephone: (650) 712-0340
Facsimile: (650) 712-0263

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

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Complete If Known

Application Number	
Filing Date	Herewith
First Named Inventor	Kuo-Ching Liu
Group Art Unit	
Examiner Name	

Attorney Docket Number NNAV 1002-2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A1	3,626,141			Daly	12-07-1971	
A2	3,814,895			Fredriksen	06-04-1974	
A3	3,816,700			Weiner et al.	06-11-1974	
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		Office ³	Number ⁴				
B1	WO 00/75983			Kulicke & Soffa	12-14-2000		
B2	EP 1137072			Matsushita Electric	09-26-2001		
B3	JP 10064854			Hewlett Packard	03-06-1998		
B4	JP 11224866			NGK Insulators	08-17-1999		
B5	JP 2000004066			Nichia Chem Ind.	01-07-2000		
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B7	JP 55151351			Mitsubishi Electric	11-25-1980		
B8	JP 56006451			Mitsubishi Electric	01-23-1981		
B9	JP 57066650			Toshiba Corp	04-22-1982		
B10	JP 57081985			Toshiba Corp	05-22-1982		

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Signature

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Number	Kind Code ² (if known)			
A21	5,811,751			Leong et al.	09-22-1998	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
B11		JP	58044738		Toshiba Corp	03-15-1983		
B12		JP	58044739		Toshiba Corp	03-15-1983		
B13		JP	58068946		Toshiba Corp	04-25-1983		
B14								
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B16								
B17								
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Group Art Unit	
Examiner Name	
Attorney Docket Number	NWAV 1002-2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	"Porous Tungsten & Molybdenum," available at http://www.spectramat.com/pormotun.html .	
	C2	SOILMOISTURE EQUIPMENT CORP., Catalog, available at http://www.soilmoisture.com/ceramics.html .	
	C3	SOILMOISTURE, "Porous Ceramics Catalog," available at http://www.soilmoisture.com .	
	C4	Spectra-Physics Business Units: Products "Navigator II" (10-07-2002), 2 pages, see http://www.splasers.com/products/oem_products/fcb_yhp_series.html .	
	C5	Spectra-Physics: Products "Navigator I" (10-07-2002), 2 pages, see http://www.splasers.com/products/oem_products/navigator1.html .	
	C6	Furukawa Electric, "What is UV-TAPES?" (05-23-2002), 2 pages, see http://www.furukawa.co.jp/uvtape/en/whatis.htm .	
	C7	Furukawa Electric product brochure, "UV-TAPES FOR SEMICONDUCTOR PROCESSING," 8 pages.	
	C8	OSTENDORF, A., et al., "Material Processing Applications for Diode Pumped Solid State Lasers," Lambda Highlights 57, Lambda Physik Pub. (May 2000), 8 pages.	
	C9	VILLENEUVE, TIM, "Nanosecond pulsed lasers improve micro-machining," DESIGNNEWS Semiconductor Manufacturing (04 June 2001) 33-35.	

Examiner Signature	Date Considered
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